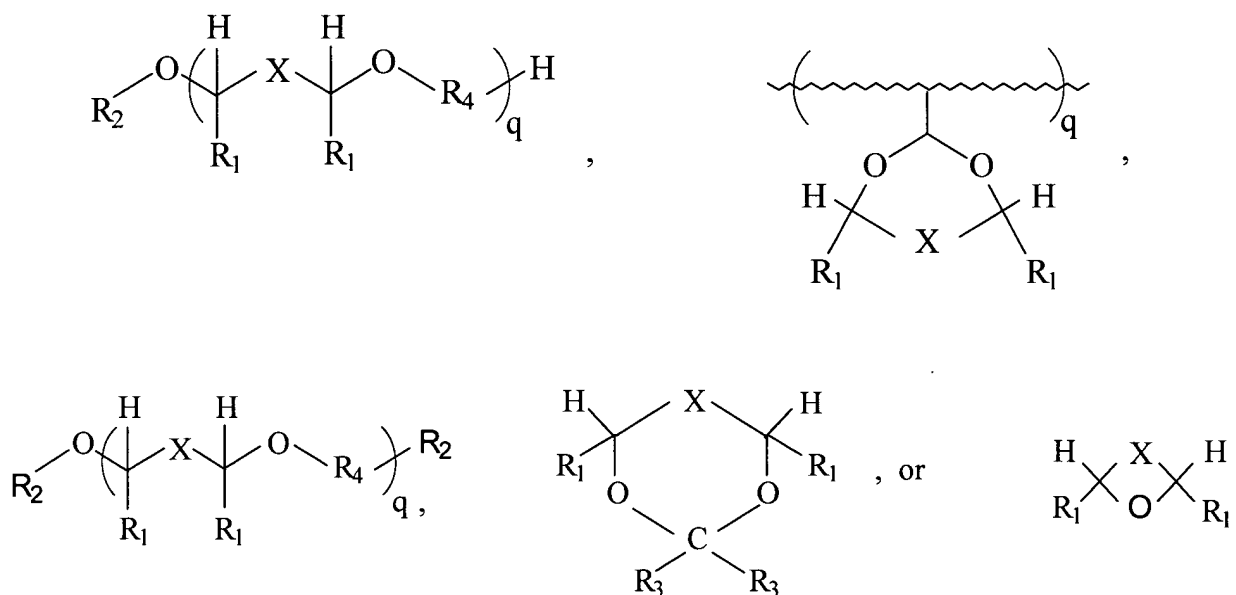
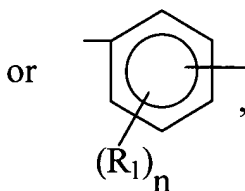


Please amend Claim 1 as follows:

1. [Twice Amended] A polymer which comprises polyvinyl chloride, polycarbonate, polyurethane, polyethylene, or polypropylene, containing about 0.005 to about 10 phr of a stabilizer having the formula:



where X is $-R_1C=CR_1-$, $-C\equiv C-$,



each R is independently selected from hydrogen and R', each R' is independently selected from alkyl from C₁ to C₂₀, aryl from C₆ to C₂₀, alkaryl from C₇ to C₂₀, and aralkyl from C₇ to

7 C₂₀; each R₁ is independently selected from R, OR, RCO, ROCO, ROCO₂, P(R)₂, P(OR)₂,
 8 PR(OR), N(R)₂, (R)₂NCO, (R)₂NCO₂, SR, and halogen; each R₂ is independently selected
 9 from R, RCO, ROCO, P(OR)₂, Sn(R)_p(OR)_{3-p}, Sn(R)_p(OCOR)_{3-p}, Si(R)_p(OR)_{3-p}, and
 10 B(R)_p(OR)_{2-p}, and two R₁ groups, two R₂ groups, or an R₁ group and an R₂ group can be
 11 bridged together to form a ring, except that when X is -R₁C=CR₁- at least one R₂ is not
 12 hydrogen; and each R₃ is independently selected from R', RCO, ROCO, ROCO₂, OR, SR,
 13 N(R)₂, OP(R)₂, and OP(OR)₂.

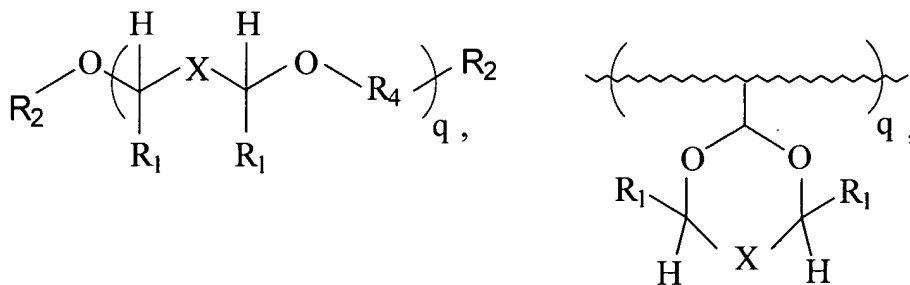
Please cancel Claims 3, 4, 8, 10, and 12.

Please amend Claim 13 as follows:

13. [Once Amended] A polymer according to Claim 1 wherein X is -HC=CH-.

Please amend Claim 15 as follows:

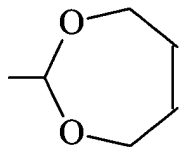
1 15. [Once Amended] A polymer according to Claim 1 wherein said stabilizer has the
 2 structure:



3 where R_4 is alkylene from C_1 to C_{20} , arylene from C_6 to C_{20} , (aryl)alkylene from C_7 to C_{20} ,
4 (alkyl)arylene from C_7 to C_{20} , alkanediyl from C_1 to C_{20} , (aryl)alkanediyl from C_7 to C_{20} , -CO-
5 (alkylene)-CO- from C_1 to C_{20} , -CO-arylene-CO- from C_6 to C_{20} , -CO-(aryl)alkylene-CO- from
6 C_7 to C_{20} , -CO-(alkyl)arylene-CO- from C_7 to C_{20} , $Si(R)_2$, $SiR(OR)$, $Si(OR)_2$, $P(OR)$, $B(OR)$,
7 $Sn(R)_2$, $SnR(OR)$, or $SnR(O-CO-R)$; and q is 1 to 1000.

Please amend Claim 16 as follows:

16. [Once Amended] A polymer according to Claim 15 wherein said stabilizer has the
pendant group



Please cancel Claims 17, 18, and 22 to 24.

Please add the following claims:

25. A polymer according to Claim 1 wherein R is benzyl.

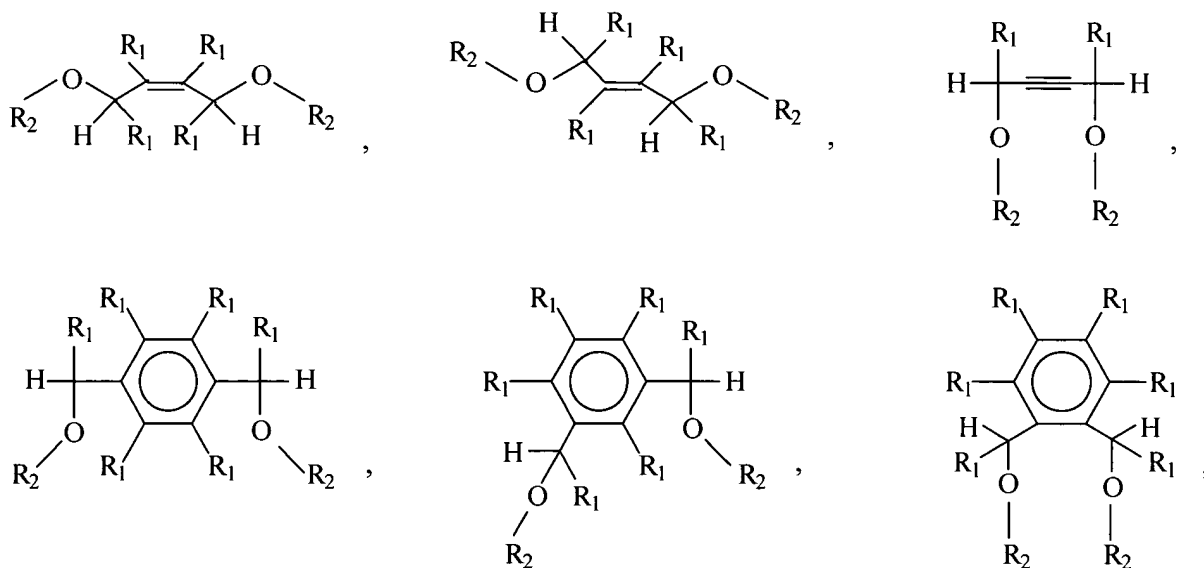
26. A polymer according to Claim 1 wherein R_1 is H.

27. A polymer according to Claim 1 wherein R_2 is R.

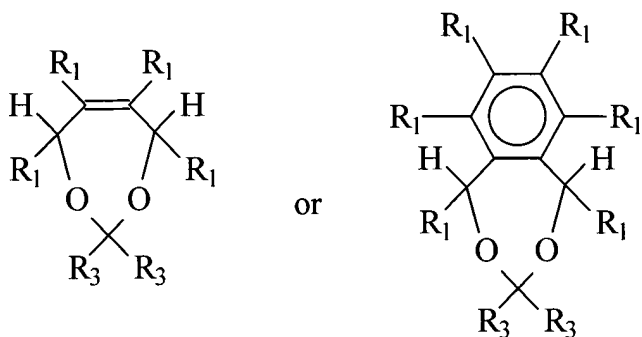
28. A polymer according to Claim 1 wherein R_3 is R.

29. A polymer according to Claim 1 wherein said two R_1 groups that can be bridged together to form a ring are selected from the group consisting of alkylene from C_1 to C_8 , (aryl)alkylene from C_7 to C_8 , and $-\text{CO}-(\text{aryl})\text{alkylene}-\text{CO}-$ from C_7 to C_8 .

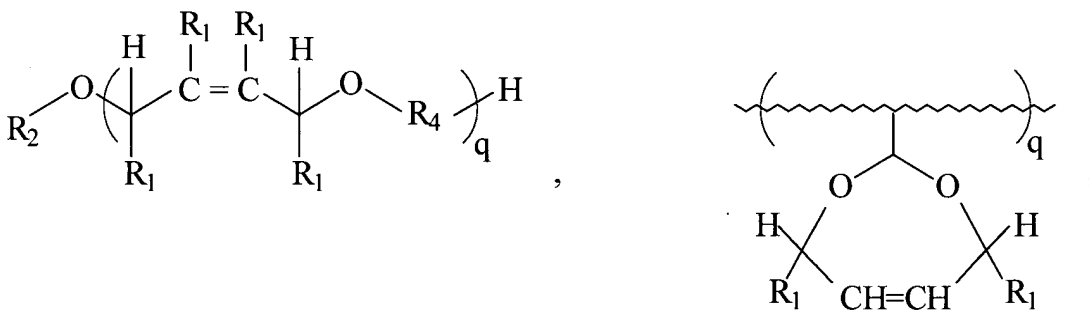
30. A polymer according to Claim 1 wherein said stabilizer has the formula



31. A polymer according to Claim 1 wherein said stabilizer has the formula:



32. A polymer which comprises polyvinyl chloride, polycarbonate, polyurethane, polyethylene, or polypropylene, containing about 0.005 to about 10 phr of a stabilizer having the formula:



where each R is independently selected from hydrogen and R', each R' is independently selected from alkyl from C₁ to C₂₀, aryl from C₆ to C₂₀, alkaryl from C₇ to C₂₀, and aralkyl from C₇ to C₂₀; each R₁ is independently selected from R, OR, RCO, ROCO, ROCO₂, P(R)₂, P(OR)₂, PR(OR), N(R)₂, (R)₂NCO, (R)₂NCO₂, SR, and halogen; each R₂ is

8 independently selected from R, RCO, ROCO, P(OR)₂, Sn(R)_p(OR)_{3-p}, Sn(R)_p(OCOR)_{3-p},
9 Si(R)_p(OR)_{3-p}, and B(R)_p(OR)_{2-p}, and two R₁ groups, two R₂ groups, or an R₁ group and an
10 R₂ group can be bridged together to form a ring, except that when X is -R₁C=CR₁- at least
11 one R₂ is not hydrogen; and each R₃ is independently selected from R', RCO, ROCO,
12 ROCO₂, OR, SR, N(R)₂, OP(R)₂, and OP(OR)₂.

33. A polymer according to Claim 32 wherein said polymer is polyvinyl chloride.

34. A polymer according to Claim 33 that has been made into an article and said article has been sterilized with gamma radiation.

COMMENTS

Applicant notes that Claims 21 and 22 have been allowed and that Claim 6 would be allowed in placed in independent form.

Applicant has amended Claim 1 to incorporate the limitations that made Claim 22 allowable, except that R₁ and R₂ have been substituted for hydrogen, the third formula was taken from Claim 15, and "X" has been used instead of the ethylene group and the benzene ring in the fifth formula, though the definition of "X" has been narrowed to those compounds for which Applicant has experimental support. Thus, while amended Claim 1 is broader than allowed Claim 20, it distinguishes over Takayangi in the same way that Claim 20 does and the additional groups included in Claim 1 are either experimentally supported or within